

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Lin et al.	Group Art Unit: 1794
Application No: 10/691,418	Examiner: Miller, Daniel H.
Confirmation No: 6173	Attorney Docket No: 008716 USA/AGS/SPARES/DP
Filed: October 22, 2003	June 30, 2010 San Francisco, California
Title: Cleaning and Refurbishing Chamber Components Having Metal Coatings	

**DECLARATION UNDER 37 C.F.R. § 1.132**

We, the inventors of the above-identified patent application, declare that:

1. The present invention was invented by us prior to the publication date of October 2, 2003 of US Patent Application Publication No. 2003/0185965 A1 to Lin et al.
2. This is evidenced by the attached excerpt of the Invention Alert of the present docket, which was faxed to Janah & Associates and has a date stamp which is prior to October 2, 2003, the publication date of Lin et al. The invention alert shows that the inventors conceived of the claimed method prior to October 2, 2003.
3. The invention and patent application were therefore diligently pursued from a date prior to October 2, 2003, up until the filing date of the present application which was October 22, 2003.

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4. As a person signing below, I hereby declare that all statements made are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of **first** inventor: **LIN, YIXING ("LINDA")**

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7. List each feature of the invention which you consider novel and non-obvious. Describe the advantages of each novel feature in comparison with the state-of-the-art approaches which are most similar to your invention:

The invention is mainly featured with:

- 1) the concept and process sequence with unique surface treatment conditions and the associated process sequences;
- 2) the unique surface treatment condition and its process sequence to remove residues of intermetallic compounds on the arc sprayed semiconductor process components.

8. Describe the invention, preferably with reference to attached drawings:

This invention, consists of both unique surface treatment conditions and the associated process sequences for arc

sprayed process components. It demonstrates 2X longer component life time, resulted from completely removal of intermetallic compound on substrate surface of the arc sprayed components, than ones from current known method used in this industry ( conditions and sequences). The presence of intermetallic compound is believed to be failure mechanism for the shorter life of the arc sprayed components. It is the first time this unique surface treatment conditions and the process sequences be applied on arc sprayed components manufacturing of this industry.

ATTACH ADDITIONAL SHEETS TO DESCRIBE INVENTION AS NEEDED

## INVENTION ALERT FORM

Provide the following information for EACH inventor\*\* REQUIRED FIELDS:

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